



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CEMENT/2014-15

Date: 10.02.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	Asst. Executive Engineer, Vidharanyapura Sub Division, BBMP, Bangalore.
* AGENCY	:	Mr. Shivanna, #182, 4 th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore - 560 073.
* NAME OF THE WORK	:	Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidharanyapura Sub Division, BBMP, Bangalore.
* REFERENCE	:	EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	09.02.2015
PERIOD OF TESTING	:	09.02.2015 to 10.02.2015



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	490 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.



VISHWANATH .C
Quality Manager

AE-9
Assistant Executive Engineer
Vidharanyapura Sub Division
BBMP, Bangalore - 97

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/SAND-Gradation/2014-15

: 10.02.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 09.02.2015

Date of Testing : 10.02.2015



Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	94.00	90-100	90-100	90-100	95-100
2.36	75.50	60-95	75-100	85-100	95-100
1.18	60.30	30-70	55-90	75-100	90-100
600 Micron	32.30	15-34	35-59	60-79	80-100
300 Micron	15.80	5-20	8-30	12-40	15-50
150 Micron	6.90	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE9

Shivanna

Assistant Executive Engineer
Vidyaranyapura Sub Division

Vishwanath .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/AGG/GR/2014-15

: 10.02.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 09.02.2015

Date of Testing : 10.02.2015



Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.50	95-100	85-100
20	45.50	30-70	0-20
10	18.55	10-35	0-5
4.75	3.05	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.



AE-9

Shivanna

Assistant Executive Engineer

Vishwanath C
VISHWANATH.C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax: 23223227, Website: www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CEMENT/2014-15

Date: 12.02.2015

TEST REPORT ON CEMENT

* CUSTOMER	: Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
* AGENCY	: Mr. Shivanna, #182, 4 th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.
* NAME OF THE WORK	: Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
* REFERENCE	: EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
SAMPLE ID	: Cement
SAMPLE RECEIVED ON	: 09.02.2015
PERIOD OF TESTING	: 09.02.2015 to 12.02.2015



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	29.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	160 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	485 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Vishwanath
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Vishwanath
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/SAND-Gradation/2014-15

: 12.02.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 09.02.2015

Date of Testing : 12.02.2015



Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	95.00	90-100	90-100	90-100	95-100
2.36	76.00	60-95	75-100	85-100	95-100
1.18	57.50	30-70	55-90	75-100	90-100
600 Micron	28.50	15-34	35-59	60-79	80-100
300 Micron	12.70	5-20	8-30	12-40	15-50
150 Micron	5.20	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

DE-9

Shivanna
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Vishwanath
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/AGG/GR/2014-15

: 12.02.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 09.02.2015

Date of Testing : 12.02.2015



Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	97.90	95-100	85-100
20	44.90	30-70	0-20
10	15.95	10-35	0-5
4.75	2.95	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Shivanna
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Vishwanath C
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227; Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CEMENT/2014-15

Date: 16.02.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
* AGENCY	:	Mr. Shivanna, #182, 4 th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.
* NAME OF THE WORK	:	Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
* REFERENCE	:	EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	09.02.2015
PERIOD OF TESTING	:	09.02.2015 to 16.02.2015



The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	475 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

26-9

[Signature]
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

[Signature]
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Chaitanyanagar, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/SAND-Gradation/2014-15

: 16.02.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 09.02.2015

Date of Testing : 16.02.2015



Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	96.50	90-100	90-100	90-100	95-100
2.36	78.50	60-95	75-100	85-100	95-100
1.18	57.50	30-70	55-90	75-100	90-100
600 Micron	27.00	15-34	35-59	60-79	80-100
300 Micron	12.00	5-20	8-30	12-40	15-50
150 Micron	4.00	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Shivanna

Assistant Executive Engineer
Vidyaranyapura Sub Division

Vishwanath .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/AGG/GR/2014-15

: 16.02.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* **Name of Work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 09.02.2015

Date of Testing : 16.02.2015



Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	98.50	95-100	85-100
20	38.50	30-70	0-20
10	20.00	10-35	0-5
4.75	2.00	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Assistant Executive Engineer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Nagar, Basaveshwaranagar, Bangalore-79.

BBMP, Bangalore-79

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



VISHWANATH.C
Quality Manager



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

18.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

- * Customer : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * Agency : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.
- * Name of the work : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
- * Sample ID : Road Concrete
- Size of cubes : 150mmx150mmx150mm
- Cross Sectional Area : 22500 mm²
- Technical Reference : IS: 516-1959 (Reaffirmed 2008)
- * Grade of Concrete : M₂₀
- Compressive Strength as on : 28th day
- Sample Received on : 18.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.02.2015	18.03.2015	8.196	478.2	21.25
2	18.02.2015	18.03.2015	8.236	499.6	22.20
3	18.02.2015	18.03.2015	8.369	521.4	23.17

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.



AE-9

Shivanna

Assistant Executive Engineer
Vidyaranyapura Sub Division

BBMP, Bangalore - 97

VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

18.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

- * Customer : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * Agency : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore - 560 073.
- * Name of the work : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
- * Sample ID : Road Concrete
- Size of cubes : 150mmx150mmx150mm
- Cross Sectional Area : 22500 mm²
- Technical Reference : IS: 516-1959 (Reaffirmed 2008)
- * Grade of Concrete : M₂₀



Compressive Strength as on : 28th day

Sample Received on : 18.03.2015

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	18.02.2015	18.03.2015	8.180	483.3	21.48
2	18.02.2015	18.03.2015	8.265	498.6	22.16
3	18.02.2015	18.03.2015	8.312	516.3	22.95

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

BB-9

Assistant Executive Engineer
Vidyaranyapura Sub Division

BBMP, Bangalore - 97

VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

19.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Agency : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore - 560 073.

* Name of the work : Improvements to Roads and drains in Thindlu Village Road in Ward
No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated:
06.02.2015

* Sample ID : Road Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 19.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	19.02.2015	19.03.2015	8.110	485.5	21.58
2	19.02.2015	19.03.2015	8.280	506.4	22.51
3	19.02.2015	19.03.2015	8.312	518.3	23.04

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Shivanna
Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Vishwanath
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

19.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Agency : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore - 560 073.

* Name of the work : Improvements to Roads and drains in Thindlu Village Road in Ward
No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated:
06.02.2015

* Sample ID : Road Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 19.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	19.02.2015	19.03.2015	8.115	479.3	21.30
2	19.02.2015	19.03.2015	8.220	506.4	22.51
3	19.02.2015	19.03.2015	8.398	523.4	23.26

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.



VISHWANATH .C
Quality Manager

Assistant Executive Engineer
Vidyaranyapura Sub Division

BBMP, Bangalore - 97

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

20.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore - 560 073.
- * **Name of the work** : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Reference** : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015
- * **Sample ID** : Road Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀



Compressive Strength as on : 28th day

Sample Received on : 20.03.2015

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.02.2015	20.03.2015	8.098	479.6	21.32
2	20.02.2015	20.03.2015	8.186	499.6	22.20
3	20.02.2015	20.03.2015	8.289	528.6	23.49

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Shivanna

Assistant Executive Engineer
Vidyaranyapura Sub Division

Vishwanath
VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shanthi Nagar, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

20.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore – 560 073.
- * **Name of the work** : Improvements to Roads and drains in Thindlu Village Road in Ward
No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Reference** : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated:
06.02.2015
- * **Sample ID** : Road Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀
- Compressive Strength as on** : 28th day
- Sample Received on** : 20.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	20.02.2015	20.03.2015	8.113	483.6	21.49
2	20.02.2015	20.03.2015	8.262	493.2	21.92
3	20.02.2015	20.03.2015	8.312	512.6	22.78

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Shivanna
Assistant Executive Engineer
Vidyaranyapura Sub Division

Vishwanath C
VISHWANATH C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Siddaganga Nagar, Basaveshwaranagar, Bangalore-79.

BBMP, Bangalore-560097
Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

21.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Agency : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road, Bangalore – 560 073.

* Name of the work : Improvements to Roads and drains in Thindlu Village Road in Ward No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.

* Reference : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated: 06.02.2015

* Sample ID : Road Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

* Grade of Concrete : M₂₀

Compressive Strength as on : 28th day

Sample Received on : 20.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	21.02.2015	21.03.2015	8.108	474.9	21.11
2	21.02.2015	21.03.2015	8.298	506.3	22.50
3	21.02.2015	21.03.2015	8.342	516.3	22.95

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Shivanna

Assistant Executive Engineer
Vidyaranyapura Sub Division

Vishwanath
VISHWANATH.C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakti Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.09/S/CSR-2/760d/CUBE/2014-15

21.03.2015

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

- * **Customer** : Asst. Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Agency** : Mr. Shivanna,
#182, 4th Main, M.S. Ramaiah Enclave, Hesaraghatta Main Road,
Bangalore - 560 073.
- * **Name of the work** : Improvements to Roads and drains in Thindlu Village Road in Ward
No.09, Vidyaranyapura Sub Division, BBMP, Bangalore.
- * **Reference** : EE/BTP/BBMP/E-PMT/08/(16523)/WO/297/2014-15 Dated:
06.02.2015
- * **Sample ID** : Road Concrete
- Size of cubes** : 150mmx150mmx150mm
- Cross Sectional Area** : 22500 mm²
- Technical Reference** : IS: 516-1959 (Reaffirmed 2008)
- * **Grade of Concrete** : M₂₀
- Compressive Strength as on** : 28th day
- Sample Received on** : 20.03.2015



Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	21.02.2015	21.03.2015	8.128	479.3	21.30
2	21.02.2015	21.03.2015	8.298	498.5	22.16
3	21.02.2015	21.03.2015	8.336	518.6	23.05

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE-9

Assistant Executive Engineer
Vidyaranyapura Sub Division

BBMP, Bangalore - 97

VISHWANATH .C
Quality Manager

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

Tele Fax : 23223227, Website : www.civiltechconsultants.com

E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com